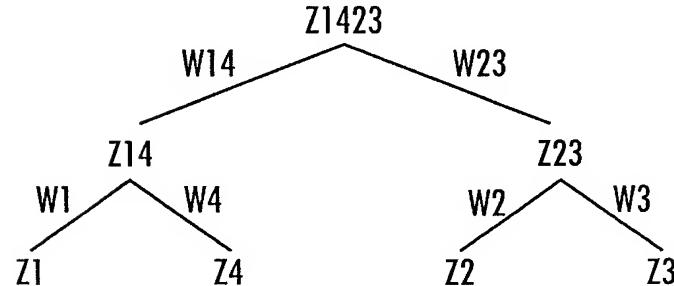


34 / 55

FIG.42



$$Z14_with_bias = W1 \cdot Z1_with_bias + W4 \cdot Z4_with_bias$$

$$Z23_with_bias = W2 \cdot Z2_with_bias + W3 \cdot Z3_with_bias$$

$$Z1423_with_bias = W14 \cdot Z14_with_bias + W23 \cdot Z23_with_bias$$

$$Z1_rel = Z1_with_bias - Z14_with_bias$$

$$Z4_rel = Z4_with_bias - Z14_with_bias$$

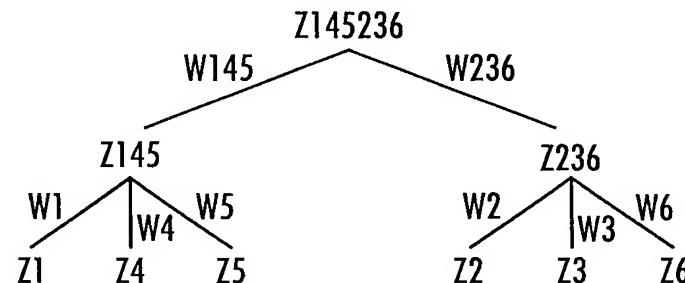
$$Z2_rel = Z2_with_bias - Z23_with_bias$$

$$Z3_rel = Z3_with_bias - Z23_with_bias$$

$$Z14_rel = Z14_with_bias - Z1423_with_bias$$

$$Z23_rel = Z23_with_bias - Z1423_with_bias$$

FIG.43



$$Z145_with_bias = W1 \cdot Z1_with_bias + W4 \cdot Z4_with_bias + W5 \cdot Z5_with_bias$$

$$Z236_with_bias = W2 \cdot Z2_with_bias + W3 \cdot Z3_with_bias + W6 \cdot Z6_with_bias$$

$$Z145236_with_bias = W145 \cdot Z145_with_bias + W236 \cdot Z236_with_bias$$

$$Z1_rel = Z1_with_bias - Z145_with_bias$$

$$Z4_rel = Z4_with_bias - Z145_with_bias$$

$$Z5_rel = Z5_with_bias - Z145_with_bias$$

$$Z2_rel = Z2_with_bias - Z236_with_bias$$

$$Z3_rel = Z3_with_bias - Z236_with_bias$$

$$Z6_rel = Z6_with_bias - Z236_with_bias$$

$$Z145_rel = Z145_with_bias - Z145236_with_bias$$

$$Z236_rel = Z236_with_bias - Z145236_with_bias$$

FIG.49

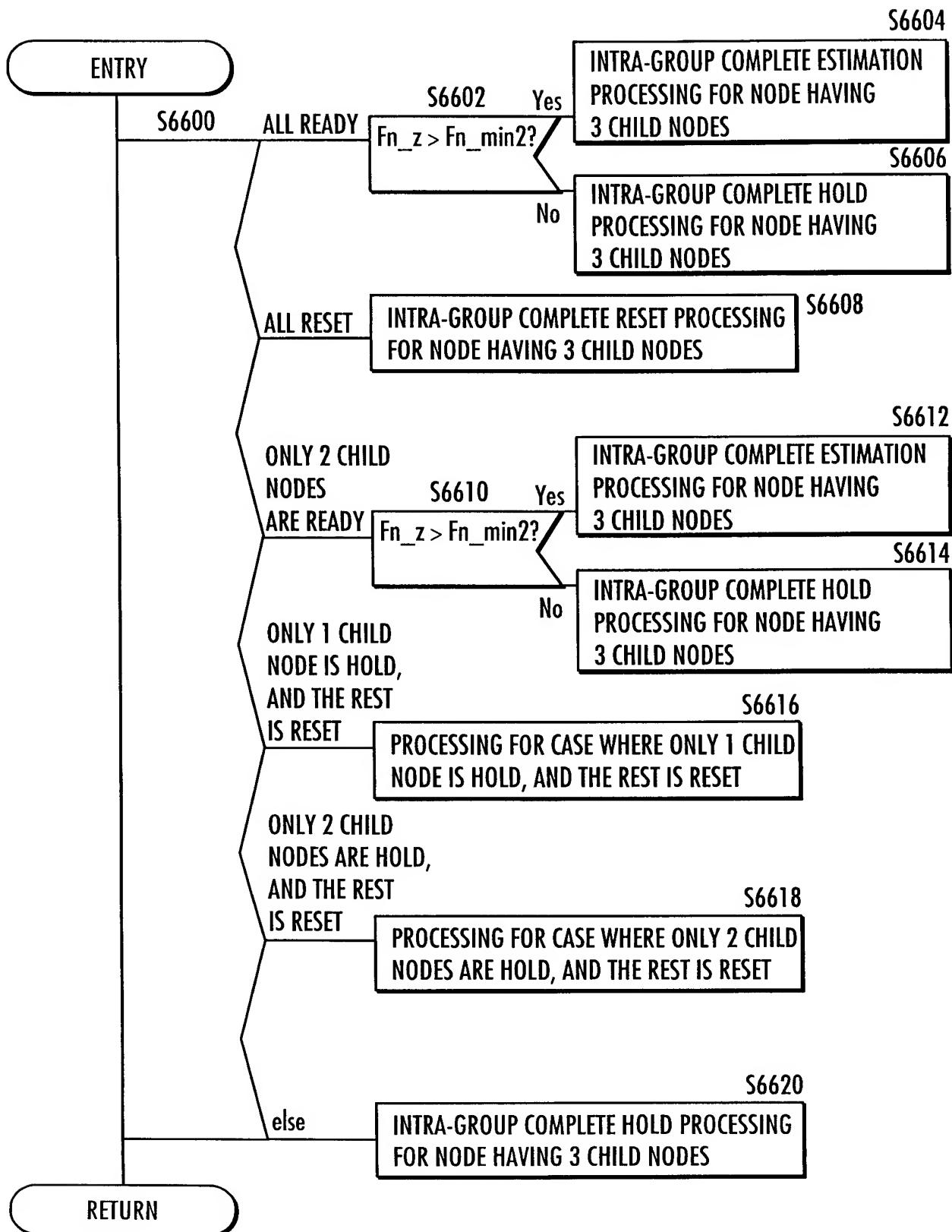
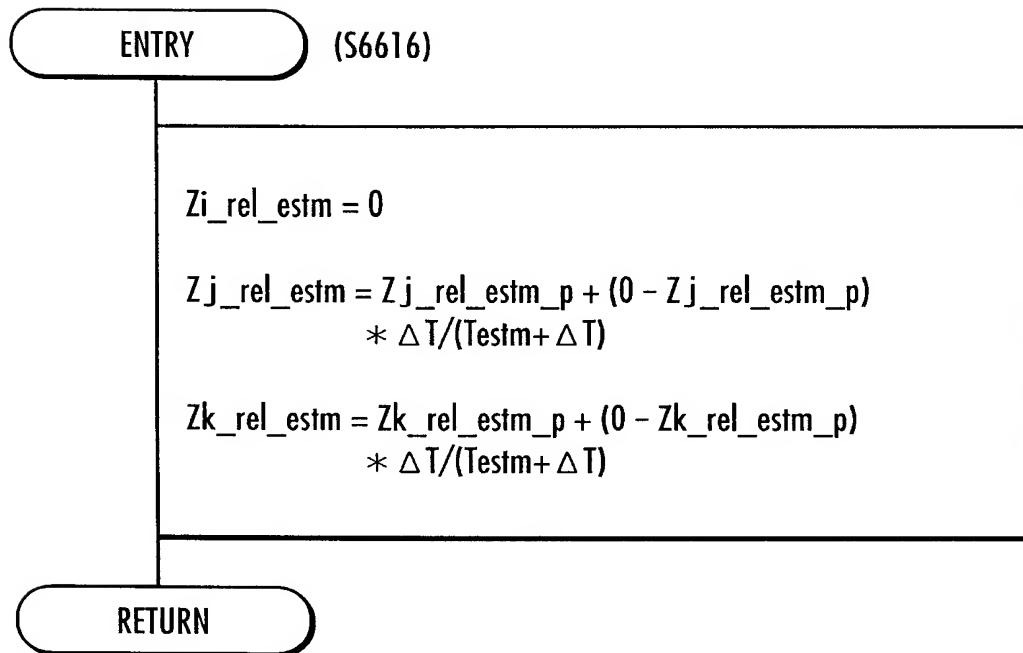
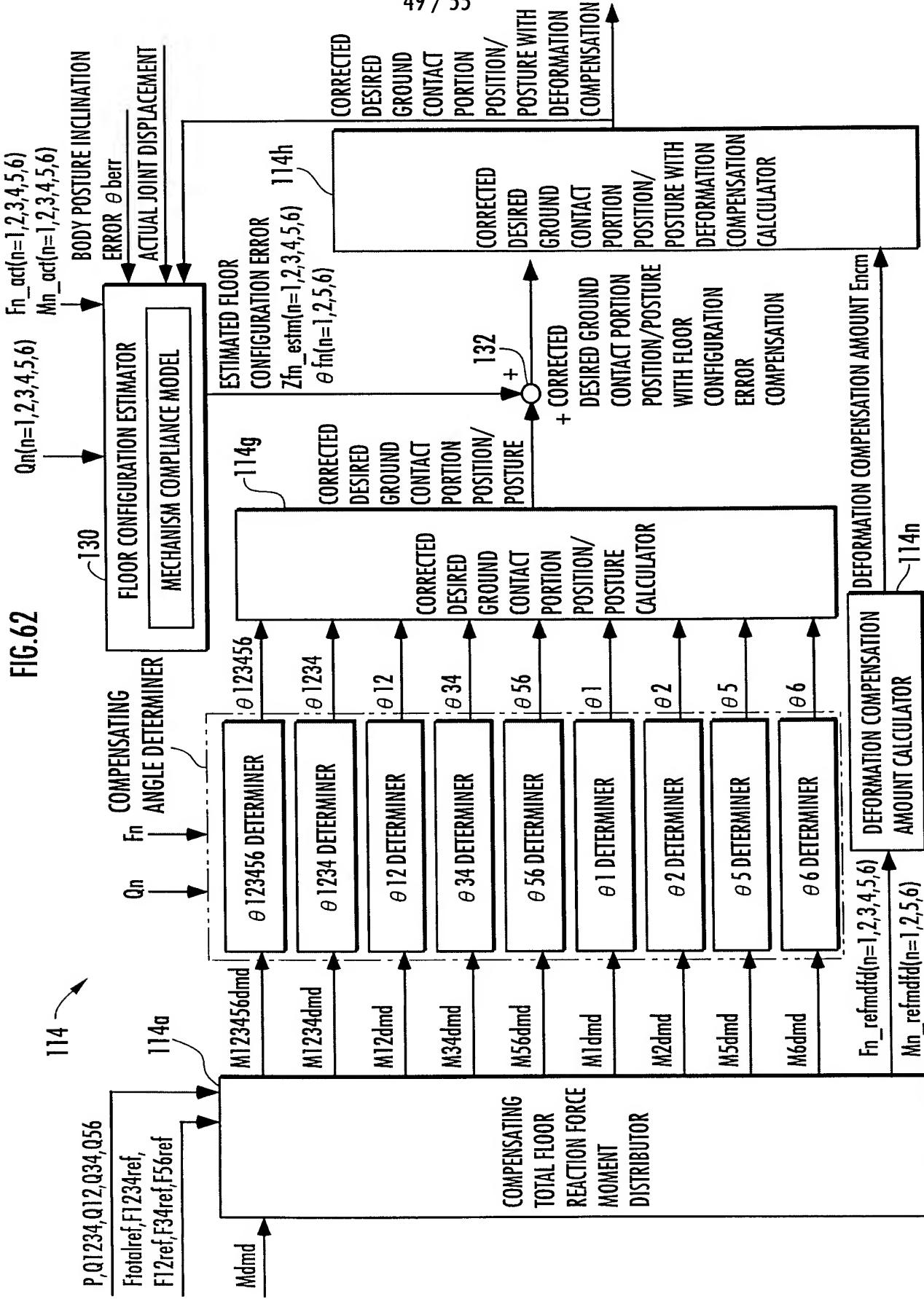


FIG.54

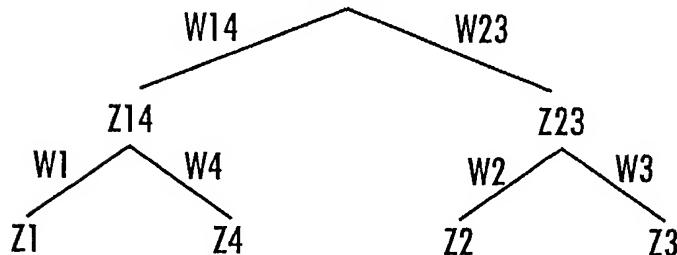




34 / 55

FIG.42

Z1423



$$Z14_with_bias = W1 \cdot Z1_with_bias + W4 \cdot Z4_with_bias$$

$$Z23_with_bias = W2 \cdot Z2_with_bias + W3 \cdot Z3_with_bias$$

$$Z1423_with_bias = W14 \cdot Z14_with_bias + W23 \cdot Z23_with_bias$$

$$Z1_rel = Z1_with_bias - Z14_with_bias$$

$$Z4_rel = Z4_with_bias - Z14_with_bias$$

$$Z2_rel = Z2_with_bias - Z23_with_bias$$

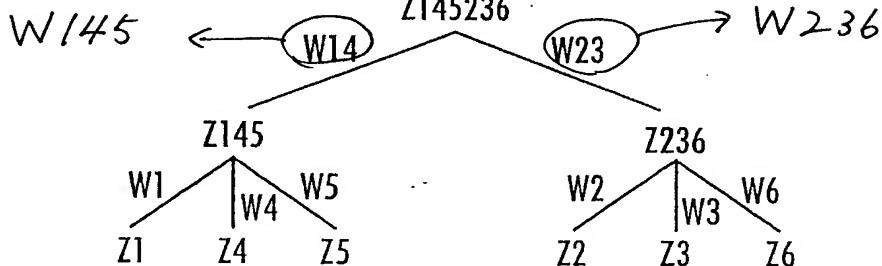
$$Z3_rel = Z3_with_bias - Z23_with_bias$$

$$Z14_rel = Z14_with_bias - Z1423_with_bias$$

$$Z23_rel = Z23_with_bias - Z1423_with_bias$$

FIG.43

Z145236



$$Z145_with_bias = W1 \cdot Z1_with_bias + W4 \cdot Z4_with_bias + W5 \cdot Z5_with_bias$$

$$Z236_with_bias = W2 \cdot Z2_with_bias + W3 \cdot Z3_with_bias + W6 \cdot Z6_with_bias$$

$$Z145236_with_bias = W145 \cdot Z145_with_bias + W236 \cdot Z236_with_bias$$

$$Z1_rel = Z1_with_bias - Z145_with_bias$$

$$Z4_rel = Z4_with_bias - Z145_with_bias$$

$$Z5_rel = Z5_with_bias - Z145_with_bias$$

$$Z2_rel = Z2_with_bias - Z236_with_bias$$

$$Z3_rel = Z3_with_bias - Z236_with_bias$$

$$Z6_rel = Z6_with_bias - Z236_with_bias$$

$$Z145_rel = Z145_with_bias - Z145236_with_bias$$

$$Z236_rel = Z236_with_bias - Z145236_with_bias$$

FIG.49

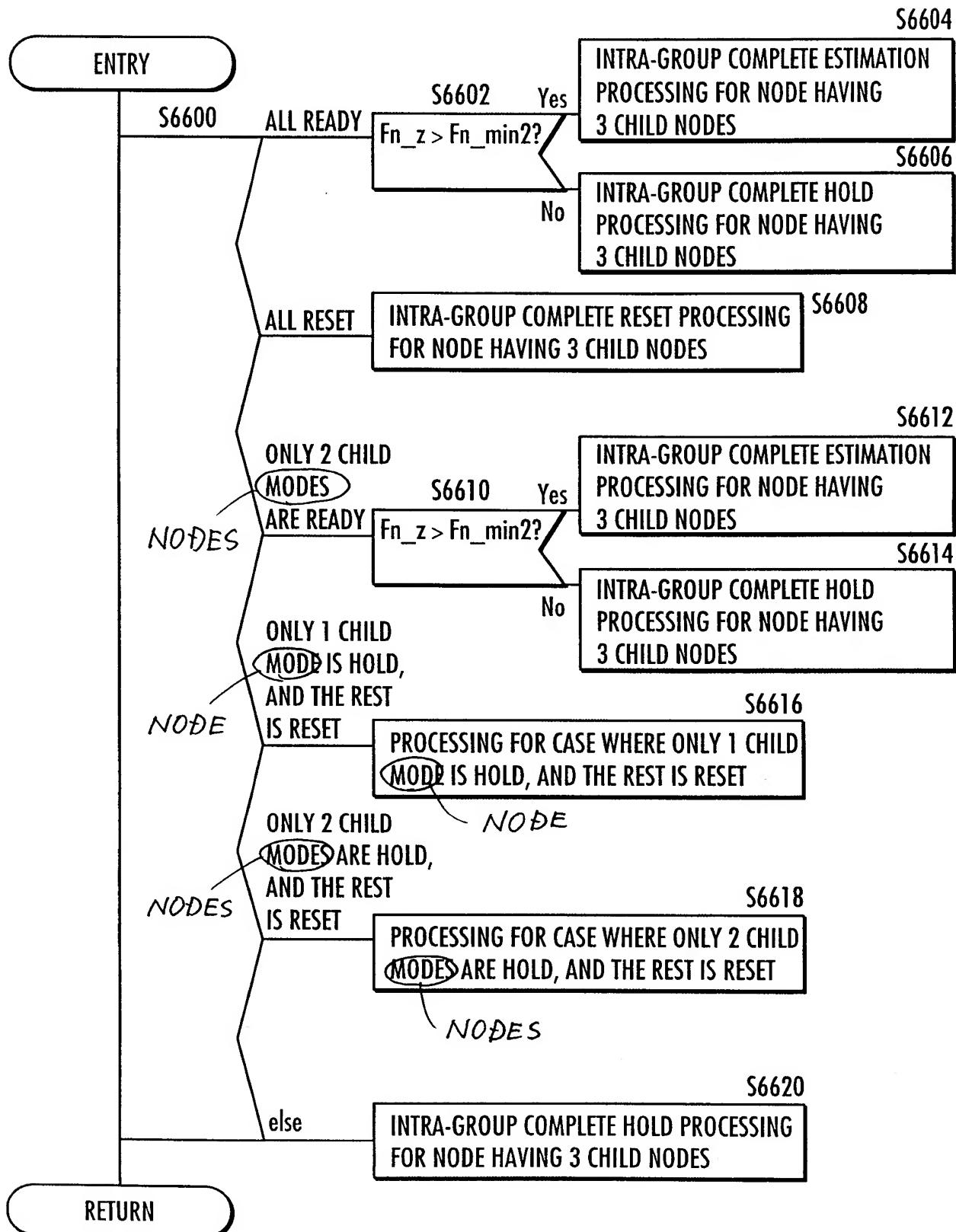


FIG.54

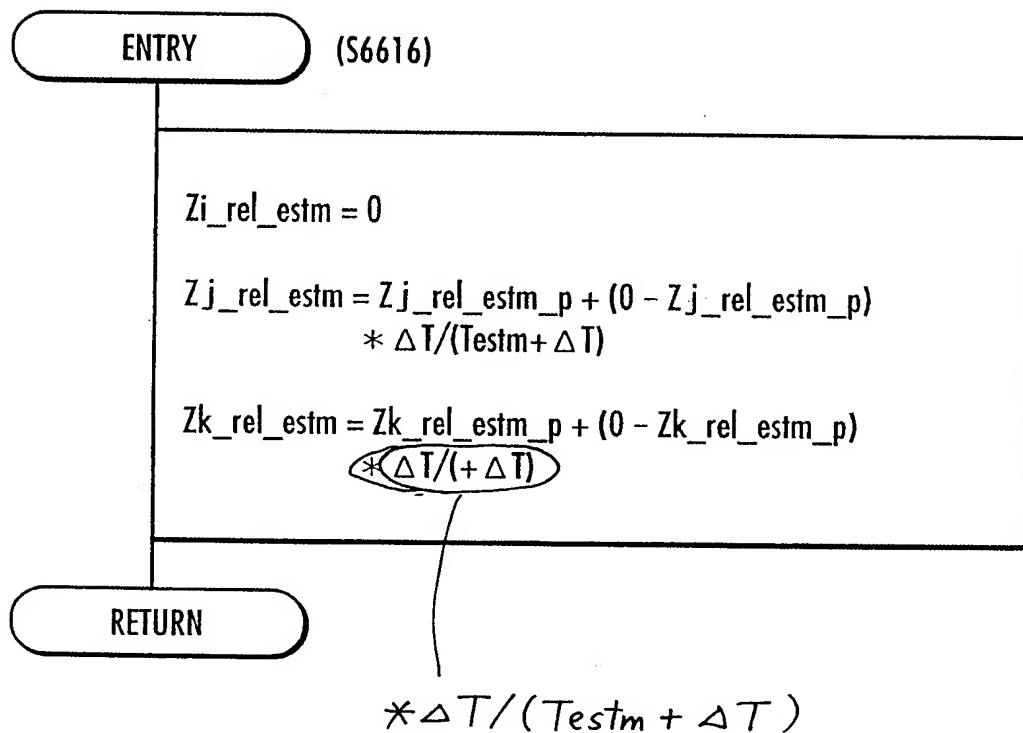


FIG. 62

